Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

9 September, 2003

Bruce Lewis
Environmental Resources Management
2525 Natomas Park Drive, Suite 350
Sacramento, CA 95833

RE: Aerojet RI/FS
Work Order: P308071

Enclosed are the results of analyses for samples received by the laboratory on 08/04/03 14:17. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Project Manager

CA ELAP Certificate #2374

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
32D-SB07-2.5	P308071-01	Soil	08/04/03 09:05	08/04/03 14:17
32D-SB07-15	P308071-02	Soil	08/04/03 09:20	08/04/03 14:17
32D-SB06-2.5	P308071-03	Soil	08/04/03 12:05	08/04/03 14:17
32D-SB06-10	P308071-04	Soil	08/04/03 12:30	08/04/03 14:17
32D-SB06-15E	P308071-05	Water	08/04/03 12:40	08/04/03 14:17
32D-SB06-15	P308071-06	Soil	08/04/03 12:45	08/04/03 14:17
32D-SB06-25	P308071-07	Soil	08/04/03 13:10	08/04/03 14:17
32D-SB06-30	P308071-08	Soil	08/04/03 13:30	08/04/03 14:17
32D-SB06D-30	P308071-09	Soil	08/04/03 13:30	08/04/03 14:17

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015B
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-2.5 (P308071-01) Soil	**Sampled: 08/04/03 09:05**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	**14**		3.1	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*366 %*	*52-133*			"	"	"	"	*S-02*
32D-SB07-15 (P308071-02) Soil	**Sampled: 08/04/03 09:20**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*123 %*	*52-133*			"	"	"	"	
32D-SB06-2.5 (P308071-03) Soil	**Sampled: 08/04/03 12:05**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	**6.0**		5.0	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*154 %*	*52-133*			"	"	"	"	*S-02*
32D-SB06-10 (P308071-04) Soil	**Sampled: 08/04/03 12:30**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*126 %*	*52-133*			"	"	"	"	
32D-SB06-15E (P308071-05) Water	**Sampled: 08/04/03 12:40**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	**0.078**		0.052	mg/l	1	3080174	08/11/03	08/18/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*97 %*	*54-141*			"	"	"	"	
32D-SB06-15 (P308071-06) Soil	**Sampled: 08/04/03 12:45**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*131 %*	*52-133*			"	"	"	"	
32D-SB06-25 (P308071-07) Soil	**Sampled: 08/04/03 13:10**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*121 %*	*52-133*			"	"	"	"	

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2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015B
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-30 (P308071-08) Soil	**Sampled: 08/04/03 13:30**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	**18**		5.0	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*132 %*	*52-133*			"	"	"	"	
32D-SB06D-30 (P308071-09) Soil	**Sampled: 08/04/03 13:30**		**Received: 08/04/03 14:17**							
Diesel Range Organics (C10-C28)	**8.4**		5.0	mg/kg	1	3080254	08/14/03	08/25/03	EPA 8015B-SVOA	
Surrogate: Octacosane		*127 %*	*52-133*			"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-2.5 (P308071-01) Soil Sampled: 08/04/03 09:05 Received: 08/04/03 14:17										
Silver	ND		0.33	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**13000**		24	"	"	"	"	"	"	
Arsenic	**3.5**		0.47	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.7	"	1	"	"	08/18/03	EPA 6010B	
Barium	**100**		0.47	"	"	"	"	"	"	
Beryllium	**0.32**		0.047	"	"	"	"	"	"	
Calcium	**2400**		47	"	"	"	"	"	"	
Cadmium	ND		0.47	"	"	"	"	"	"	
Cobalt	**11**		0.33	"	"	"	"	"	"	
Chromium	**56**		0.47	"	"	"	"	"	"	
Hexavalent Chromium	**0.64**		0.21	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**33**		0.94	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**21000**		24	"	"	"	"	"	"	
Mercury	**0.020**		0.017	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**1500**		120	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**5900**		24	"	"	"	"	"	"	
Manganese	**410**		0.47	"	"	"	"	"	"	
Molybdenum	**1.1**		0.94	"	"	"	"	"	"	
Sodium	**220**		24	"	"	"	"	"	"	
Nickel	**54**		1.4	"	"	"	"	"	"	
Lead	**8.2**		0.24	"	"	"	"	08/22/03	EPA 6020	
Antimony	ND		0.24	"	"	"	"	08/21/03	"	
Selenium	ND		0.47	"	"	"	"	08/22/03	"	
Titanium	**610**		0.94	"	"	"	"	08/18/03	EPA 6010B	
Thallium	**0.14**		0.094	"	"	"	"	08/30/03	EPA 6020	
Vanadium	**47**		0.47	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**68**		9.4	"	10	"	"	08/27/03	"	

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2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-15 (P308071-02) Soil Sampled: 08/04/03 09:20 Received: 08/04/03 14:17										
Silver	ND		0.34	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**14000**		24	"	"	"	"	"	"	
Arsenic	**4.4**		0.49	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.9	"	1	"	"	08/18/03	EPA 6010B	
Barium	**110**		0.49	"	"	"	"	"	"	
Beryllium	**0.28**		0.049	"	"	"	"	"	"	
Calcium	**3300**		49	"	"	"	"	"	"	
Cadmium	ND		0.49	"	"	"	"	"	"	
Cobalt	**5.6**		0.34	"	"	"	"	"	"	
Chromium	**20**		0.49	"	"	"	"	"	"	
Hexavalent Chromium	ND		0.19	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**130**		0.97	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**15000**		24	"	"	"	"	"	"	
Mercury	**0.071**		0.018	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**880**		120	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**2700**		24	"	"	"	"	"	"	
Manganese	**230**		0.49	"	"	"	"	"	"	
Molybdenum	ND		0.97	"	"	"	"	"	"	
Sodium	**250**		24	"	"	"	"	"	"	
Nickel	**37**		1.5	"	"	"	"	"	"	
Lead	**2.8**		0.24	"	"	"	"	08/22/03	EPA 6020	
Antimony	ND		0.24	"	"	"	"	08/21/03	"	
Selenium	ND		0.49	"	"	"	"	08/22/03	"	
Titanium	**370**		0.97	"	"	"	"	08/18/03	EPA 6010B	
Thallium	**0.11**		0.097	"	"	"	"	08/22/03	EPA 6020	
Vanadium	**33**		0.49	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**200**		9.7	"	10	"	"	08/27/03	"	

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Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-2.5 (P308071-03) Soil Sampled: 08/04/03 12:05 Received: 08/04/03 14:17										
Silver	ND		0.34	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**9900**		24	"	"	"	"	"	"	
Arsenic	**4.0**		0.49	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.9	"	1	"	"	08/18/03	EPA 6010B	
Barium	**78**		0.49	"	"	"	"	"	"	
Beryllium	**0.22**		0.049	"	"	"	"	"	"	
Calcium	**4000**		49	"	"	"	"	"	"	
Cadmium	ND		0.49	"	"	"	"	"	"	
Cobalt	**7.5**		0.34	"	"	"	"	"	"	
Chromium	**30**		0.49	"	"	"	"	"	"	
Hexavalent Chromium	ND		0.21	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**75**		0.97	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**16000**		24	"	"	"	"	"	"	
Mercury	**0.023**		0.017	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**1400**		120	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**4200**		24	"	"	"	"	"	"	
Manganese	**230**		0.49	"	"	"	"	"	"	
Molybdenum	ND		0.97	"	"	"	"	"	"	
Sodium	**260**		24	"	"	"	"	"	"	
Nickel	**24**		1.5	"	"	"	"	"	"	
Lead	**5.6**		0.24	"	"	"	"	08/22/03	EPA 6020	
Antimony	ND		0.24	"	"	"	"	08/21/03	"	
Selenium	ND		0.49	"	"	"	"	08/22/03	"	
Titanium	**590**		0.97	"	"	"	"	08/18/03	EPA 6010B	
Thallium	**0.11**		0.097	"	"	"	"	08/22/03	EPA 6020	
Vanadium	**38**		0.49	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**85**		9.7	"	10	"	"	08/27/03	"	

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2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-10 (P308071-04) Soil Sampled: 08/04/03 12:30 Received: 08/04/03 14:17										
Silver	ND		0.30	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**7800**		21	"	"	"	"	"	"	
Arsenic	**2.4**		0.43	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.3	"	1	"	"	08/18/03	EPA 6010B	
Barium	**53**		0.43	"	"	"	"	"	"	
Beryllium	**0.18**		0.043	"	"	"	"	"	"	
Calcium	**2000**		43	"	"	"	"	"	"	
Cadmium	ND		0.43	"	"	"	"	"	"	
Cobalt	**4.9**		0.30	"	"	"	"	"	"	
Chromium	**23**		0.43	"	"	"	"	"	"	
Hexavalent Chromium	ND		0.21	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**31**		0.85	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**12000**		21	"	"	"	"	"	"	
Mercury	ND		0.018	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**1000**		110	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**2900**		21	"	"	"	"	"	"	
Manganese	**160**		0.43	"	"	"	"	"	"	
Molybdenum	ND		0.85	"	"	"	"	"	"	
Sodium	**230**		21	"	"	"	"	"	"	
Nickel	**16**		1.3	"	"	"	"	"	"	
Lead	**2.5**		0.21	"	"	"	"	08/22/03	EPA 6020	
Antimony	ND		0.21	"	"	"	"	08/21/03	"	
Selenium	ND		0.43	"	"	"	"	08/22/03	"	
Titanium	**360**		0.85	"	"	"	"	08/18/03	EPA 6010B	
Thallium	**0.091**		0.085	"	"	"	"	08/22/03	EPA 6020	
Vanadium	**28**		0.43	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**51**		8.5	"	10	"	"	08/27/03	"	

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2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-15E (P308071-05) Water	**Sampled: 08/04/03 12:40**		**Received: 08/04/03 14:17**							
Silver	ND		7.0	ug/l	1	3080149	08/12/03	08/12/03	EPA 6010B	
Aluminum	ND		200	"	"	"	"	"	"	
Arsenic	**3.7**	2.4	5.0	"	"	"	"	08/27/03	EPA 6020	J
Boron	ND		40	"	"	"	"	08/12/03	EPA 6010B	
Barium	**18**		6.0	"	"	"	"	"	"	
Beryllium	ND		1.0	"	"	"	"	"	"	
Calcium	**5900**		1000	"	"	"	"	"	"	
Cadmium	ND	2.1	10	"	"	"	"	"	"	
Cobalt	ND		7.0	"	"	"	"	"	"	
Chromium	ND		8.0	"	"	"	"	"	"	
Hexavalent Chromium	ND		0.0050	mg/l	"	3080257	08/14/03	08/14/03	EPA 7196A	HT-04
Copper	**15**		6.0	ug/l	"	3080149	08/12/03	08/12/03	EPA 6010B	
Iron	ND		300	"	"	"	"	"	"	
Mercury	ND		0.20	"	"	3080171	08/12/03	08/12/03	EPA 7470A	
Potassium	**930**	570	2500	"	"	3080149	08/12/03	08/12/03	EPA 6010B	J
Magnesium	**1700**		500	"	"	"	"	"	"	
Manganese	**22**		10	"	"	"	"	"	"	
Molybdenum	ND		20	"	"	"	"	"	"	
Sodium	**2500**		500	"	"	"	"	"	"	
Nickel	**8.4**	6.5	30	"	"	"	"	"	"	J
Lead	**4.8**		2.0	"	"	"	"	08/26/03	EPA 6020	
Antimony	ND		3.0	"	"	"	"	08/25/03	"	
Selenium	ND		2.0	"	"	"	"	"	"	
Titanium	ND		10	"	"	"	"	08/12/03	EPA 6010B	
Thallium	ND		2.0	"	"	"	"	08/26/03	EPA 6020	
Vanadium	ND	1.8	10	"	"	"	"	08/12/03	EPA 6010B	
Zinc	**430**		20	"	"	"	"	"	"	

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2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-15 (P308071-06) Soil Sampled: 08/04/03 12:45 Received: 08/04/03 14:17										
Silver	ND		0.31	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**10000**		22	"	"	"	"	"	"	
Arsenic	**3.0**		0.45	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.5	"	1	"	"	08/18/03	EPA 6010B	
Barium	**70**		0.45	"	"	"	"	"	"	
Beryllium	**0.24**		0.045	"	"	"	"	"	"	
Calcium	**1800**		45	"	"	"	"	"	"	
Cadmium	ND		0.45	"	"	"	"	"	"	
Cobalt	**5.5**		0.31	"	"	"	"	"	"	
Chromium	**30**		0.45	"	"	"	"	"	"	
Hexavalent Chromium	**0.39**		0.20	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**24**		0.89	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**15000**		22	"	"	"	"	"	"	
Mercury	**0.046**		0.018	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**1200**		110	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**3300**		22	"	"	"	"	"	"	
Manganese	**190**		0.45	"	"	"	"	"	"	
Molybdenum	ND		0.89	"	"	"	"	"	"	
Sodium	**170**		22	"	"	"	"	"	"	
Nickel	**23**		1.3	"	"	"	"	"	"	
Lead	**3.4**		0.22	"	"	"	"	08/23/03	EPA 6020	
Antimony	ND		0.22	"	"	"	"	08/21/03	"	
Selenium	ND		0.45	"	"	"	"	08/23/03	"	
Titanium	**500**		0.89	"	"	"	"	08/18/03	EPA 6010B	
Thallium	ND		0.089	"	"	"	"	08/23/03	EPA 6020	
Vanadium	**37**		0.45	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**46**		8.9	"	10	"	"	08/27/03	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-25 (P308071-07) Soil Sampled: 08/04/03 13:10 Received: 08/04/03 14:17										
Silver	ND		0.34	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**29000**		250	"	10	"	"	08/27/03	"	
Arsenic	**8.6**		0.49	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.9	"	1	"	"	08/18/03	EPA 6010B	
Barium	**190**		0.49	"	"	"	"	"	"	
Beryllium	**0.64**		0.049	"	"	"	"	"	"	
Calcium	**2000**		49	"	"	"	"	"	"	
Cadmium	ND		0.49	"	"	"	"	"	"	
Cobalt	**16**		0.34	"	"	"	"	"	"	
Chromium	**54**		0.49	"	"	"	"	"	"	
Hexavalent Chromium	**0.88**		0.21	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**59**		0.98	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**28000**		25	"	"	"	"	"	"	
Mercury	**0.069**		0.017	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**1600**		120	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**3800**		25	"	"	"	"	"	"	
Manganese	**590**		0.49	"	"	"	"	"	"	
Molybdenum	ND		0.98	"	"	"	"	"	"	
Sodium	**180**		25	"	"	"	"	"	"	
Nickel	**57**		1.5	"	"	"	"	"	"	
Lead	**9.2**		0.25	"	"	"	"	08/23/03	EPA 6020	
Antimony	**0.30**		0.25	"	"	"	"	08/21/03	"	
Selenium	ND		0.49	"	"	"	"	08/23/03	"	
Titanium	**610**		0.98	"	"	"	"	08/18/03	EPA 6010B	
Thallium	**0.14**		0.098	"	"	"	"	08/23/03	EPA 6020	
Vanadium	**70**		0.49	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**120**		9.8	"	10	"	"	08/27/03	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-30 (P308071-08) Soil Sampled: 08/04/03 13:30 Received: 08/04/03 14:17										
Silver	ND		0.34	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**24000**		25	"	"	"	"	"	"	
Arsenic	**3.9**		0.49	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.9	"	1	"	"	08/18/03	EPA 6010B	
Barium	**170**		0.49	"	"	"	"	"	"	
Beryllium	**0.47**		0.049	"	"	"	"	"	"	
Calcium	**2100**		49	"	"	"	"	"	"	
Cadmium	ND		0.49	"	"	"	"	"	"	
Cobalt	**16**		0.34	"	"	"	"	"	"	
Chromium	**48**		0.49	"	"	"	"	"	"	
Hexavalent Chromium	ND		0.21	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**91**		0.98	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**26000**		25	"	"	"	"	"	"	
Mercury	**0.13**		0.016	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**2400**		120	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**6900**		25	"	"	"	"	"	"	
Manganese	**320**		0.49	"	"	"	"	"	"	
Molybdenum	ND		0.98	"	"	"	"	"	"	
Sodium	**250**		25	"	"	"	"	"	"	
Nickel	**52**		1.5	"	"	"	"	"	"	
Lead	**7.0**		0.25	"	"	"	"	08/23/03	EPA 6020	
Antimony	ND		0.25	"	"	"	"	08/21/03	"	
Selenium	ND		0.49	"	"	"	"	08/23/03	"	
Titanium	**930**		0.98	"	"	"	"	08/18/03	EPA 6010B	
Thallium	**0.21**		0.098	"	"	"	"	08/23/03	EPA 6020	
Vanadium	**66**		0.49	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**180**		9.8	"	10	"	"	08/27/03	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06D-30 (P308071-09) Soil Sampled: 08/04/03 13:30 Received: 08/04/03 14:17										
Silver	ND		0.34	mg/kg	1	3080213	08/18/03	08/18/03	EPA 6010B	
Aluminum	**16000**		24	"	"	"	"	"	"	
Arsenic	**3.2**		0.48	"	5	"	"	08/26/03	EPA 6020	
Boron	ND		4.8	"	1	"	"	08/18/03	EPA 6010B	
Barium	**110**		0.48	"	"	"	"	"	"	
Beryllium	**0.31**		0.048	"	"	"	"	"	"	
Calcium	**2100**		48	"	"	"	"	"	"	
Cadmium	ND		0.48	"	"	"	"	"	"	
Cobalt	**9.0**		0.34	"	"	"	"	"	"	
Chromium	**39**		0.48	"	"	"	"	"	"	
Hexavalent Chromium	**0.48**		0.21	"	"	3080258	08/14/03	08/15/03	EPA 7196A	
Copper	**46**		0.96	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Iron	**19000**		24	"	"	"	"	"	"	
Mercury	**0.040**		0.017	"	"	3080172	08/13/03	08/14/03	EPA 7471A	
Potassium	**1900**		120	"	"	3080213	08/18/03	08/18/03	EPA 6010B	
Magnesium	**5100**		24	"	"	"	"	"	"	
Manganese	**360**		0.48	"	"	"	"	"	"	
Molybdenum	ND		0.96	"	"	"	"	"	"	
Sodium	**240**		24	"	"	"	"	"	"	
Nickel	**35**		1.4	"	"	"	"	"	"	
Lead	**4.4**		0.24	"	"	"	"	08/23/03	EPA 6020	
Antimony	ND		0.24	"	"	"	"	08/21/03	"	
Selenium	ND		0.48	"	"	"	"	08/23/03	"	
Titanium	**810**		0.96	"	"	"	"	08/18/03	EPA 6010B	
Thallium	**0.16**		0.096	"	"	"	"	08/23/03	EPA 6020	
Vanadium	**51**		0.48	"	"	"	"	08/18/03	EPA 6010B	
Zinc	**69**		9.6	"	10	"	"	08/27/03	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Tentatively Identified Compounds by GC/MS
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-2.5 (P308071-01) Soil	**Sampled: 08/04/03 09:05**		**Received: 08/04/03 14:17**							
No TICs found	ND		300	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
32D-SB07-15 (P308071-02) Soil	**Sampled: 08/04/03 09:20**		**Received: 08/04/03 14:17**							
No TICs found	ND		300	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
32D-SB06-2.5 (P308071-03) Soil	**Sampled: 08/04/03 12:05**		**Received: 08/04/03 14:17**							
Sulfur, mol. (S8)	**800**		300	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
32D-SB06-10 (P308071-04) Soil	**Sampled: 08/04/03 12:30**		**Received: 08/04/03 14:17**							
No TICs found	ND		300	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
32D-SB06-15E (P308071-05) Water	**Sampled: 08/04/03 12:40**		**Received: 08/04/03 14:17**							
No TICs found	ND		10	ug/l	1	3080097	08/06/03	08/13/03	EPA 8270C	
32D-SB06-15 (P308071-06) Soil	**Sampled: 08/04/03 12:45**		**Received: 08/04/03 14:17**							
No TICs found	ND		300	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
32D-SB06-25 (P308071-07) Soil	**Sampled: 08/04/03 13:10**		**Received: 08/04/03 14:17**							
No TICs found	ND		300	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
32D-SB06-30 (P308071-08) Soil	**Sampled: 08/04/03 13:30**		**Received: 08/04/03 14:17**							
No TICs found	ND		300	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
32D-SB06D-30 (P308071-09) Soil	**Sampled: 08/04/03 13:30**		**Received: 08/04/03 14:17**							
No TICs found	ND		300	ug/kg	1	3080253	08/14/03	08/21/03	EPA 8270C	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-2.5 (P308071-01) Soil	**Sampled: 08/04/03 09:05**		**Received: 08/04/03 14:17**							
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	**170**	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-2.5 (P308071-01) Soil	**Sampled: 08/04/03 09:05**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*43 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*56 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*53 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*65 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*86 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*96 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-15 (P308071-02) Soil	**Sampled: 08/04/03 09:20**		**Received: 08/04/03 14:17**							
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB07-15 (P308071-02) Soil	**Sampled: 08/04/03 09:20**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*63 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*73 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*76 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*80 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*92 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*110 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-2.5 (P308071-03) Soil Sampled: 08/04/03 12:05 Received: 08/04/03 14:17										
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-2.5 (P308071-03) Soil	**Sampled: 08/04/03 12:05**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*60 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*71 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*73 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*81 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*83 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*104 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-10 (P308071-04) Soil	**Sampled: 08/04/03 12:30**		**Received: 08/04/03 14:17**							
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-10 (P308071-04) Soil	**Sampled: 08/04/03 12:30**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*61 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*70 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*71 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*76 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*83 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*100 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-15E (P308071-05) Water	**Sampled: 08/04/03 12:40**		**Received: 08/04/03 14:17**							
Acenaphthene	ND	1.3	11	ug/l	1	3080097	08/06/03	08/13/03	EPA 8270C	
Acenaphthylene	ND	1.5	11	"	"	"	"	"	"	
Anthracene	ND	0.67	11	"	"	"	"	"	"	
Azobenzene	ND	0.70	22	"	"	"	"	"	"	
Benzidine	ND	3.5	56	"	"	"	"	"	"	
Benzoic acid	ND	4.3	56	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.49	11	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.3	11	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.71	11	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.97	11	"	"	"	"	"	"	
Benzyl alcohol	ND	4.3	22	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.2	11	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.7	11	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.7	11	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	3.2	11	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.78	11	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	3.0	11	"	"	"	"	"	"	
4-Chloroaniline	ND	0.61	22	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.6	22	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.6	11	"	"	"	"	"	"	
2-Chlorophenol	ND	0.34	11	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.1	11	"	"	"	"	"	"	
Chrysene	ND	0.50	11	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.61	11	"	"	"	"	"	"	
Dibenzofuran	ND	1.2	11	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	1.2	11	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	11	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	11	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	11	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	3.2	22	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.52	11	"	"	"	"	"	"	
Diethyl phthalate	ND	0.47	11	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.5	11	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.62	11	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	3.8	56	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.6	56	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.91	11	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.84	11	"	"	"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-15E (P308071-05) Water	**Sampled: 08/04/03 12:40**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	0.90	11	ug/l	1	3080097	08/06/03	08/13/03	EPA 8270C	
Fluoranthene	ND	0.49	11	"	"	"	"	"	"	
Fluorene	ND	1.1	11	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.88	11	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.6	11	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.34	11	"	"	"	"	"	"	
Hexachloroethane	ND	1.9	11	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.68	11	"	"	"	"	"	"	
Isophorone	ND	0.79	11	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1.6	11	"	"	"	"	"	"	
2-Methylphenol	ND	3.8	11	"	"	"	"	"	"	
4-Methylphenol	ND	3.3	11	"	"	"	"	"	"	
Naphthalene	ND	1.8	11	"	"	"	"	"	"	
2-Nitroaniline	ND	0.77	56	"	"	"	"	"	"	
3-Nitroaniline	ND	0.60	56	"	"	"	"	"	"	
4-Nitroaniline	ND	0.68	56	"	"	"	"	"	"	
Nitrobenzene	ND	1.5	11	"	"	"	"	"	"	
2-Nitrophenol	ND	0.47	11	"	"	"	"	"	"	
4-Nitrophenol	ND	0.57	56	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	1.6	22	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	4.3	11	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.64	11	"	"	"	"	"	"	
Pentachlorophenol	ND	3.4	56	"	"	"	"	"	"	
Phenanthrene	ND	0.62	11	"	"	"	"	"	"	
Phenol	ND	0.53	11	"	"	"	"	"	"	
Pyrene	ND	0.31	11	"	"	"	"	"	"	
Pyridine	ND	4.2	11	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	11	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.68	11	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.34	11	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*65 %*	*15-103*			"	"	"	"	
Surrogate: Phenol-d6		*78 %*	*18-115*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*88 %*	*39-103*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*90 %*	*40-124*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*101 %*	*11-142*			"	"	"	"	
Surrogate: Terphenyl-d14		*101 %*	*56-139*			"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-15 (P308071-06) Soil	**Sampled: 08/04/03 12:45**		**Received: 08/04/03 14:17**							
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	**46**	14	330	"	"	"	"	"	"	J
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-15 (P308071-06) Soil	**Sampled: 08/04/03 12:45**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*50 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*57 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*61 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*65 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*75 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*106 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-25 (P308071-07) Soil	**Sampled: 08/04/03 13:10**		**Received: 08/04/03 14:17**							
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-25 (P308071-07) Soil	**Sampled: 08/04/03 13:10**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*55 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*68 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*78 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*80 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*72 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*105 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-30 (P308071-08) Soil	**Sampled: 08/04/03 13:30**		**Received: 08/04/03 14:17**							
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-30 (P308071-08) Soil	**Sampled: 08/04/03 13:30**		**Received: 08/04/03 14:17**							
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/22/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*45 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*54 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*52 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*57 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*83 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*99 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06D-30 (P308071-09) Soil Sampled: 08/04/03 13:30 Received: 08/04/03 14:17										
Acenaphthene	ND	8.7	330	ug/kg	1	3080253	08/14/03	08/21/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06D-30 (P308071-09) Soil Sampled: 08/04/03 13:30 Received: 08/04/03 14:17										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080253	08/14/03	08/21/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*67 %*	*11-120*			"	"	"	"	
Surrogate: Phenol-d6		*77 %*	*16-130*			"	"	"	"	
Surrogate: Nitrobenzene-d5		*80 %*	*16-126*			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*82 %*	*28-134*			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*92 %*	*51-144*			"	"	"	"	
Surrogate: Terphenyl-d14		*110 %*	*64-119*			"	"	"	"	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32D-SB06-2.5 (P308071-03) Soil Sampled: 08/04/03 12:05 Received: 08/04/03 14:17										
pH	**6.43**		2.00	pH Units	1	3080163	08/08/03	08/08/03	EPA 9045C	HT-01
32D-SB06-10 (P308071-04) Soil Sampled: 08/04/03 12:30 Received: 08/04/03 14:17										
pH	**7.17**		2.00	pH Units	1	3080163	08/08/03	08/08/03	EPA 9045C	HT-01
32D-SB06-15E (P308071-05) Water Sampled: 08/04/03 12:40 Received: 08/04/03 14:17										
pH	**7.00**		2.00	pH Units	1	3080162	08/08/03	08/08/03	EPA 150.1	HT-01
32D-SB06-15 (P308071-06) Soil Sampled: 08/04/03 12:45 Received: 08/04/03 14:17										
pH	**6.92**		2.00	pH Units	1	3080163	08/08/03	08/08/03	EPA 9045C	HT-01
32D-SB06-25 (P308071-07) Soil Sampled: 08/04/03 13:10 Received: 08/04/03 14:17										
pH	**6.58**		2.00	pH Units	1	3080163	08/08/03	08/08/03	EPA 9045C	HT-01
32D-SB06-30 (P308071-08) Soil Sampled: 08/04/03 13:30 Received: 08/04/03 14:17										
pH	**6.19**		2.00	pH Units	1	3080163	08/08/03	08/08/03	EPA 9045C	HT-01
32D-SB06D-30 (P308071-09) Soil Sampled: 08/04/03 13:30 Received: 08/04/03 14:17										
pH	**6.65**		2.00	pH Units	1	3080163	08/08/03	08/08/03	EPA 9045C	HT-01

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015B - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080174 - EPA 3510C											
Blank (3080174-BLK1)					Prepared: 08/11/03 Analyzed: 08/18/03						
Diesel Range Organics (C10-C28)	ND		0.050	mg/l							
Surrogate: Octacosane	*0.0466*			*"*	*0.0500*		*93*	*54-141*			
Laboratory Control Sample (3080174-BS1)					Prepared: 08/11/03 Analyzed: 08/18/03						
Diesel Range Organics (C10-C28)	0.698		0.050	mg/l	1.00		70	49-102			
Surrogate: Octacosane	*0.0479*			*"*	*0.0500*		*96*	*54-141*			
Laboratory Control Sample Dup (3080174-BSD1)					Prepared: 08/11/03 Analyzed: 08/18/03						
Diesel Range Organics (C10-C28)	0.742		0.050	mg/l	1.00		74	49-102	6	20	
Surrogate: Octacosane	*0.0518*			*"*	*0.0500*		*104*	*54-141*			
Batch 3080254 - CA LUFT - orb shaker											
Blank (3080254-BLK1)					Prepared: 08/14/03 Analyzed: 08/22/03						
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg							
Surrogate: Octacosane	*1.47*			*"*	*1.67*		*88*	*52-133*			
Laboratory Control Sample (3080254-BS1)					Prepared: 08/14/03 Analyzed: 08/22/03						
Diesel Range Organics (C10-C28)	27.8		5.0	mg/kg	33.3		83	62-103			
Surrogate: Octacosane	*1.46*			*"*	*1.67*		*87*	*52-133*			
Matrix Spike (3080254-MS1)	**Source: P308047-09**				Prepared: 08/14/03 Analyzed: 08/22/03						
Diesel Range Organics (C10-C28)	31.5		5.0	mg/kg	33.3	1.9	89	62-103			
Surrogate: Octacosane	*1.87*			*"*	*1.67*		*112*	*52-133*			
Matrix Spike Dup (3080254-MSD1)	**Source: P308047-09**				Prepared: 08/14/03 Analyzed: 08/23/03						
Diesel Range Organics (C10-C28)	55.5		5.0	mg/kg	33.3	1.9	161	62-103	55	35	QM-06
Surrogate: Octacosane	*2.47*			*"*	*1.67*		*148*	*52-133*			*S-02*

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080149 - EPA 3010A											
Blank (3080149-BLK1)					Prepared & Analyzed: 08/12/03						
Aluminum	ND		200	ug/l							
Antimony	ND		3.0	"							
Arsenic	2.87	2.4	5.0	"							J
Barium	ND		6.0	"							
Beryllium	ND		1.0	"							
Boron	ND		40	"							
Cadmium	ND	2.1	10	"							
Calcium	ND		1000	"							
Chromium	ND		8.0	"							
Cobalt	ND		7.0	"							
Copper	ND		6.0	"							
Iron	ND		300	"							
Lead	ND		2.0	"							
Magnesium	ND		500	"							
Manganese	ND		10	"							
Molybdenum	ND		20	"							
Nickel	ND	6.5	30	"							
Potassium	ND	570	2500	"							
Selenium	ND		2.0	"							
Silver	ND		7.0	"							
Sodium	ND		500	"							
Thallium	ND		2.0	"							
Titanium	ND		10	"							
Vanadium	ND	1.8	10	"							
Zinc	ND		20	"							
Laboratory Control Sample (3080149-BS1)					Prepared & Analyzed: 08/12/03						
Aluminum	5030		200	ug/l	5000		101	80-120			
Antimony	521		3.0	"	500		104	80-120			
Arsenic	490	2.4	5.0	"	500		98	80-120			
Barium	511		6.0	"	500		102	80-120			
Beryllium	53.2		1.0	"	50.0		106	80-120			
Boron	519		40	"	500		104	80-120			
Cadmium	54.3	2.1	10	"	50.0		109	80-120			
Calcium	5510		1000	"	5000		110	80-120			
Chromium	535		8.0	"	500		107	80-120			
Cobalt	512		7.0	"	500		102	80-120			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080149 - EPA 3010A											
Laboratory Control Sample (3080149-BS1)					Prepared & Analyzed: 08/12/03						
Copper	502		6.0	ug/l	500		100	80-120			
Iron	5500		300	"	5000		110	80-120			
Lead	576		2.0	"	500		115	80-120			
Magnesium	5150		500	"	5000		103	80-120			
Manganese	521		10	"	500		104	80-120			
Molybdenum	524		20	"	500		105	80-120			
Nickel	531	6.5	30	"	500		106	80-120			
Potassium	4890	570	2500	"	5000		98	80-120			
Selenium	494		2.0	"	500		99	80-120			
Silver	48.8		7.0	"	50.0		98	80-120			
Sodium	5160		500	"	5000		103	80-120			
Thallium	597		2.0	"	500		119	80-120			
Titanium	505		10	"	500		101	80-120			
Vanadium	526	1.8	10	"	500		105	80-120			
Zinc	487		20	"	500		97	80-120			
Duplicate (3080149-DUP1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Aluminum	ND		1000	ug/l		41				10	
Antimony	ND		15	"		0.079				10	
Arsenic	ND	12	25	"		3.7				10	
Barium	13.8		50	"		13			6	10	
Beryllium	ND		5.0	"		ND				10	
Boron	ND		500	"		ND				10	
Cadmium	ND	10	50	"		ND				10	
Calcium	4210		5000	"		4200			0.2	10	
Chromium	ND		50	"		ND				10	
Cobalt	ND		35	"		ND				10	
Copper	ND		50	"		12				10	
Iron	ND		1500	"		210				10	
Lead	ND		10	"		1.5				10	
Magnesium	1210		2500	"		1200			0.8	10	
Manganese	18.9		50	"		20			6	10	
Molybdenum	ND		100	"		ND				10	
Nickel	ND	32	150	"		ND				10	
Potassium	ND	2900	12000	"		630				10	
Selenium	ND		10	"		0.22				10	
Silver	ND		35	"		ND				10	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080149 - EPA 3010A											
Duplicate (3080149-DUP1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Sodium	1740		2500	ug/l		1600			8	10	
Thallium	ND		10	"		ND				10	
Titanium	9.30		50	"		2.1				10	
Vanadium	ND	9.1	50	"		ND				10	
Zinc	247		100	"		240			3	10	
Matrix Spike (3080149-MS1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Aluminum	5050		200	ug/l	5000	41	100	80-120			
Antimony	471		3.0	"	500	0.079	94	80-120			
Arsenic	480	2.4	5.0	"	500	3.7	95	80-120			
Barium	521		6.0	"	500	13	102	80-120			
Beryllium	53.0		1.0	"	50.0	ND	106	80-120			
Boron	519		40	"	500	ND	104	80-120			
Cadmium	52.1	2.1	10	"	50.0	ND	104	80-120			
Calcium	9540		1000	"	5000	4200	107	80-120			
Chromium	532		8.0	"	500	ND	106	80-120			
Cobalt	503		7.0	"	500	ND	101	80-120			
Copper	515		6.0	"	500	12	101	80-120			
Iron	5700		300	"	5000	210	110	80-120			
Lead	557		2.0	"	500	1.5	111	80-120			
Magnesium	6290		500	"	5000	1200	102	80-120			
Manganese	539		10	"	500	20	104	80-120			
Molybdenum	516		20	"	500	ND	103	80-120			
Nickel	542	6.5	30	"	500	ND	108	80-120			
Potassium	5470	570	2500	"	5000	630	97	80-120			
Selenium	423		2.0	"	500	0.22	85	80-120			
Silver	49.0		7.0	"	50.0	ND	98	80-120			
Sodium	6650		500	"	5000	1600	101	80-120			
Thallium	571		2.0	"	500	ND	114	80-120			
Titanium	498		10	"	500	2.1	99	80-120			
Vanadium	524	1.8	10	"	500	ND	105	80-120			
Zinc	718		20	"	500	240	96	80-120			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080149 - EPA 3010A											
Matrix Spike Dup (3080149-MSD1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Aluminum	5160		200	ug/l	5000	41	102	80-120	2	20	
Antimony	535		3.0	"	500	0.079	107	80-120	13	20	
Arsenic	498	2.4	5.0	"	500	3.7	99	80-120	4	20	
Barium	535		6.0	"	500	13	104	80-120	3	20	
Beryllium	53.9		1.0	"	50.0	ND	108	80-120	2	20	
Boron	525		40	"	500	ND	105	80-120	1	20	
Cadmium	57.9	2.1	10	"	50.0	ND	116	80-120	11	20	
Calcium	9690		1000	"	5000	4200	110	80-120	2	20	
Chromium	541		8.0	"	500	ND	108	80-120	2	20	
Cobalt	514		7.0	"	500	ND	103	80-120	2	20	
Copper	527		6.0	"	500	12	103	80-120	2	20	
Iron	5810		300	"	5000	210	112	80-120	2	20	
Lead	591		2.0	"	500	1.5	118	80-120	6	20	
Magnesium	6450		500	"	5000	1200	105	80-120	3	20	
Manganese	550		10	"	500	20	106	80-120	2	20	
Molybdenum	535		20	"	500	ND	107	80-120	4	20	
Nickel	556	6.5	30	"	500	ND	111	80-120	3	20	
Potassium	5610	570	2500	"	5000	630	100	80-120	3	20	
Selenium	497		2.0	"	500	0.22	99	80-120	16	20	
Silver	50.6		7.0	"	50.0	ND	101	80-120	3	20	
Sodium	6810		500	"	5000	1600	104	80-120	2	20	
Thallium	610		2.0	"	500	ND	122	80-120	7	20	
Titanium	513		10	"	500	2.1	102	80-120	3	20	
Vanadium	537	1.8	10	"	500	ND	107	80-120	2	20	
Zinc	728		20	"	500	240	98	80-120	1	20	
Post Spike (3080149-PS1)	**Source: P308047-07**				Prepared: 08/12/03 Analyzed: 09/08/03						
Aluminum	4920		200	ug/l	5000	41	98	80-120			
Antimony	525		15	"	500	0.079	105	80-120			
Arsenic	499	12	25	"	500	3.7	99	80-120			
Barium	503		10	"	500	13	98	80-120			
Beryllium	54.7		1.0	"	50.0	ND	109	80-120			
Boron	528		100	"	500	ND	106	80-120			
Cadmium	55.2	2.1	10	"	50.0	ND	110	80-120			
Calcium	9860		1000	"	5000	4200	113	80-120			
Chromium	533		10	"	500	ND	107	80-120			
Cobalt	515		7.0	"	500	ND	103	80-120			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080149 - EPA 3010A											
Post Spike (3080149-PS1)	**Source: P308047-07**				Prepared: 08/12/03 Analyzed: 09/08/03						
Copper	505		10	ug/l	500	12	99	80-120			
Iron	5610		300	"	5000	210	108	80-120			
Lead	500		10	"	500	1.5	100	80-120			
Magnesium	6240		500	"	5000	1200	101	80-120			
Manganese	544		10	"	500	20	105	80-120			
Molybdenum	523		20	"	500	ND	105	80-120			
Nickel	537	6.5	30	"	500	ND	107	80-120			
Potassium	4900	570	2500	"	5000	630	85	80-120			
Selenium	468		10	"	500	0.22	94	80-120			
Silver	48.1		7.0	"	50.0	ND	96	80-120			
Sodium	6470		500	"	5000	1600	97	80-120			
Thallium	500		10	"	500	ND	100	80-120			
Titanium	506		10	"	500	2.1	101	80-120			
Vanadium	529	1.8	10	"	500	ND	106	80-120			
Zinc	784		20	"	500	240	109	80-120			
Batch 3080171 - EPA 245/7470A											
Blank (3080171-BLK1)					Prepared & Analyzed: 08/12/03						
Mercury	ND		0.20	ug/l							
Laboratory Control Sample (3080171-BS1)					Prepared & Analyzed: 08/12/03						
Mercury	1.61		0.20	ug/l	1.59		101	80-120			
Duplicate (3080171-DUP1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Mercury	ND		1.0	ug/l		ND				10	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080171 - EPA 245/7470A											
Matrix Spike (3080171-MS1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Mercury	1.59		0.20	ug/l	1.59	ND	100	80-120			
Matrix Spike Dup (3080171-MSD1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Mercury	1.59		0.20	ug/l	1.59	ND	100	80-120	0	20	
Post Spike (3080171-PS1)	**Source: P308047-07**				Prepared & Analyzed: 08/12/03						
Mercury	5.14		0.20	ug/l	3.98	ND	129	80-120			QM-07
Batch 3080172 - EPA 7471A											
Blank (3080172-BLK1)					Prepared: 08/13/03 Analyzed: 08/14/03						
Mercury	ND		0.017	mg/kg							
Laboratory Control Sample (3080172-BS1)					Prepared: 08/13/03 Analyzed: 08/14/03						
Mercury	0.119		0.019	mg/kg	0.127		94	80-120			
Duplicate (3080172-DUP1)	**Source: P308047-02**				Prepared: 08/13/03 Analyzed: 08/14/03						
Mercury	0.0293		0.017	mg/kg		0.13			126	10	QR-07
Matrix Spike (3080172-MS1)	**Source: P308047-02**				Prepared: 08/13/03 Analyzed: 08/14/03						
Mercury	0.265		0.018	mg/kg	0.117	0.13	115	80-120			
Matrix Spike Dup (3080172-MSD1)	**Source: P308047-02**				Prepared: 08/13/03 Analyzed: 08/14/03						
Mercury	0.274		0.016	mg/kg	0.108	0.13	133	80-120	3	20	QM-07
Post Spike (3080172-PS1)	**Source: P308047-02**				Prepared: 08/13/03 Analyzed: 08/14/03						
Mercury	0.0104			ug/ml	0.00159	0.0037	421	80-120			QM-07

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080213 - EPA 3050B											
Blank (3080213-BLK1)					Prepared & Analyzed: 08/18/03						
Aluminum	ND		25	mg/kg							
Antimony	ND		0.25	"							
Arsenic	ND		0.50	"							
Barium	ND		0.50	"							
Beryllium	ND		0.050	"							
Boron	ND		5.0	"							
Cadmium	ND		0.50	"							
Calcium	ND		50	"							
Chromium	ND		0.50	"							
Cobalt	ND		0.35	"							
Copper	ND		1.0	"							
Iron	ND		25	"							
Lead	ND		0.25	"							
Magnesium	ND		25	"							
Manganese	ND		0.50	"							
Molybdenum	ND		1.0	"							
Nickel	ND		1.5	"							
Potassium	ND		120	"							
Selenium	ND		0.50	"							
Silver	ND		0.35	"							
Sodium	ND		25	"							
Thallium	ND		0.10	"							
Titanium	ND		1.0	"							
Vanadium	ND		0.50	"							
Zinc	ND		1.0	"							
Laboratory Control Sample (3080213-BS1)					Prepared & Analyzed: 08/18/03						
Aluminum	230		25	mg/kg	250		92	80-120			
Antimony	25.8		0.25	"	25.0		103	80-120			
Arsenic	24.3		0.50	"	25.0		97	80-120			
Barium	24.3		0.50	"	25.0		97	80-120			
Beryllium	2.31		0.050	"	2.50		92	80-120			
Boron	22.6		5.0	"	25.0		90	80-120			
Cadmium	2.43		0.50	"	2.50		97	80-120			
Calcium	232		50	"	250		93	80-120			
Chromium	23.9		0.50	"	25.0		96	80-120			
Cobalt	22.6		0.35	"	25.0		90	80-120			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080213 - EPA 3050B											
Laboratory Control Sample (3080213-BS1)					Prepared & Analyzed: 08/18/03						
Copper	23.8		1.0	mg/kg	25.0		95	80-120			
Iron	240		25	"	250		96	80-120			
Lead	24.8		0.25	"	25.0		99	80-120			
Magnesium	231		25	"	250		92	80-120			
Manganese	23.4		0.50	"	25.0		94	80-120			
Molybdenum	23.1		1.0	"	25.0		92	80-120			
Nickel	23.1		1.5	"	25.0		92	80-120			
Potassium	228		120	"	250		91	80-120			
Selenium	25.2		0.50	"	25.0		101	80-120			
Silver	2.38		0.35	"	2.50		95	80-120			
Sodium	238		25	"	250		95	80-120			
Thallium	25.4		0.10	"	25.0		102	80-120			
Titanium	23.0		1.0	"	25.0		92	80-120			
Vanadium	23.8		0.50	"	25.0		95	80-120			
Zinc	22.8		1.0	"	25.0		91	80-120			
Duplicate (3080213-DUP1)	**Source: P308071-01**				Prepared & Analyzed: 08/18/03						
Aluminum	13000		120	mg/kg		13000			0	10	
Antimony	ND		1.2	"		0.16				10	
Arsenic	2.75		2.4	"		3.5			24	10	QR-07
Barium	106		2.4	"		100			6	10	
Beryllium	0.313		0.24	"		0.32			2	10	
Boron	2.06		24	"		1.6				10	
Cadmium	ND		2.4	"		0.36				10	
Calcium	2570		240	"		2400			7	10	
Chromium	60.6		2.4	"		56			8	10	
Cobalt	12.1		1.7	"		11			10	10	
Copper	35.2		4.7	"		33			6	10	
Iron	22200		120	"		21000			6	10	
Lead	8.54		1.2	"		8.2			4	10	
Magnesium	6100		120	"		5900			3	10	
Manganese	441		2.4	"		410			7	10	
Molybdenum	ND		4.7	"		1.1				10	
Nickel	58.4		7.1	"		54			8	10	
Potassium	1580		590	"		1500			5	10	
Selenium	ND		2.4	"		0.17				10	
Silver	ND		1.7	"		ND				10	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080213 - EPA 3050B											
Duplicate (3080213-DUP1)	**Source: P308071-01**			Prepared & Analyzed: 08/18/03							
Sodium	228		120	mg/kg		220			4	10	
Thallium	0.122		0.47	"		0.14			14	10	QR-07
Titanium	639		4.7	"		610			5	10	
Vanadium	49.9		2.4	"		47			6	10	
Zinc	104		47	"		68			42	10	QR-07
Matrix Spike (3080213-MS1)	**Source: P308071-01**			Prepared & Analyzed: 08/18/03							
Aluminum	15200		24	mg/kg	243	13000	905	80-120			QM-4X
Antimony	10.0		0.24	"	24.3	0.16	40	80-120			QM-07
Arsenic	25.4		0.49	"	24.3	3.5	90	80-120			
Barium	127		0.49	"	24.3	100	111	80-120			
Beryllium	2.46		0.049	"	2.43	0.32	88	80-120			
Boron	20.7		4.9	"	24.3	1.6	79	80-120			QM-07
Cadmium	2.55		0.49	"	2.43	0.36	90	80-120			
Calcium	2730		49	"	243	2400	136	80-120			QM-4X
Chromium	63.4		0.49	"	24.3	56	30	80-120			QM-07
Cobalt	30.1		0.34	"	24.3	11	79	80-120			QM-07
Copper	60.3		0.97	"	24.3	33	112	80-120			
Iron	20800		24	"	243	21000	NR	80-120			QM-4X
Lead	30.5		0.24	"	24.3	8.2	92	80-120			
Magnesium	4890		24	"	243	5900	NR	80-120			QM-4X
Manganese	430		0.49	"	24.3	410	82	80-120			
Molybdenum	21.2		0.97	"	24.3	1.1	83	80-120			
Nickel	59.0		1.5	"	24.3	54	21	80-120			QM-07
Potassium	1840		120	"	243	1500	140	80-120			QM-4X
Selenium	21.9		0.49	"	24.3	0.17	89	80-120			
Silver	1.83		0.34	"	2.43	ND	75	80-120			QM-07
Sodium	485		24	"	243	220	109	80-120			
Thallium	23.2		0.097	"	24.3	0.14	95	80-120			
Titanium	715		0.97	"	24.3	610	432	80-120			QM-4X
Vanadium	68.8		0.49	"	24.3	47	90	80-120			
Zinc	92.7		9.7	"	24.3	68	102	80-120			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080213 - EPA 3050B											
Matrix Spike Dup (3080213-MSD1)	**Source: P308071-01**			Prepared & Analyzed: 08/18/03							
Aluminum	16000		25	mg/kg	250	13000	NR	80-120	5	20	QM-4X
Antimony	9.33		0.25	"	25.0	0.16	37	80-120	7	20	QM-07
Arsenic	26.0		0.50	"	25.0	3.5	90	80-120	2	20	
Barium	135		0.50	"	25.0	100	140	80-120	6	20	QM-4X
Beryllium	2.54		0.050	"	2.50	0.32	89	80-120	3	20	
Boron	21.1		5.0	"	25.0	1.6	78	80-120	2	20	QM-07
Cadmium	2.47		0.50	"	2.50	0.36	84	80-120	3	20	
Calcium	2880		50	"	250	2400	192	80-120	5	20	QM-4X
Chromium	61.8		0.50	"	25.0	56	23	80-120	3	20	QM-07
Cobalt	30.4		0.35	"	25.0	11	78	80-120	1	20	QM-07
Copper	59.0		1.0	"	25.0	33	104	80-120	2	20	
Iron	22300		25	"	250	21000	520	80-120	7	20	QM-4X
Lead	31.9		0.25	"	25.0	8.2	95	80-120	4	20	
Magnesium	4730		25	"	250	5900	NR	80-120	3	20	QM-4X
Manganese	440		0.50	"	25.0	410	120	80-120	2	20	
Molybdenum	21.2		1.0	"	25.0	1.1	80	80-120	0	20	
Nickel	57.8		1.5	"	25.0	54	15	80-120	2	20	QM-07
Potassium	1910		120	"	250	1500	164	80-120	4	20	QM-4X
Selenium	22.5		0.50	"	25.0	0.17	89	80-120	3	20	
Silver	1.84		0.35	"	2.50	ND	74	80-120	0.5	20	QM-07
Sodium	531		25	"	250	220	124	80-120	9	20	QM-07
Thallium	23.8		0.10	"	25.0	0.14	95	80-120	3	20	
Titanium	702		1.0	"	25.0	610	368	80-120	2	20	QM-4X
Vanadium	71.8		0.50	"	25.0	47	99	80-120	4	20	
Zinc	84.2		10	"	25.0	68	65	80-120	10	20	QM-07
Post Spike (3080213-PS1)	**Source: P308071-01**			Prepared & Analyzed: 08/18/03							
Aluminum	12600		24	mg/kg	236	13000	NR	80-120			QM-4X
Antimony	25.1		0.24	"	23.6	0.16	106	80-120			
Arsenic	26.0		0.47	"	23.6	3.5	95	80-120			
Barium	124		0.47	"	23.6	100	102	80-120			
Beryllium	2.41		0.047	"	2.36	0.32	89	80-120			
Boron	21.8		4.7	"	23.6	1.6	86	80-120			
Cadmium	2.56		0.47	"	2.36	0.36	93	80-120			
Calcium	2560		47	"	236	2400	68	80-120			QM-4X
Chromium	76.6		0.47	"	23.6	56	87	80-120			
Cobalt	30.4		0.33	"	23.6	11	82	80-120			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080213 - EPA 3050B											
Post Spike (3080213-PS1)	**Source: P308071-01**				Prepared & Analyzed: 08/18/03						
Copper	54.5		0.94	mg/kg	23.6	33	91	80-120			
Iron	20600		24	"	236	21000	NR	80-120			QM-4X
Lead	32.7		0.24	"	23.6	8.2	104	80-120			
Magnesium	6030		24	"	236	5900	55	80-120			QM-4X
Manganese	429		0.47	"	23.6	410	81	80-120			
Molybdenum	22.3		0.94	"	23.6	1.1	90	80-120			
Nickel	73.8		1.4	"	23.6	54	84	80-120			
Potassium	1720		120	"	236	1500	93	80-120			
Selenium	24.0		0.47	"	23.6	0.17	101	80-120			
Silver	1.95		0.33	"	2.36	ND	83	80-120			
Sodium	445		24	"	236	220	95	80-120			
Thallium	24.9		0.094	"	23.6	0.14	105	80-120			
Titanium	622		0.94	"	23.6	610	51	80-120			QM-4X
Vanadium	67.7		0.47	"	23.6	47	88	80-120			
Zinc	327		9.4	"	23.6	68	NR	80-120			QM-07
Batch 3080257 - General Preparation											
Blank (3080257-BLK1)					Prepared & Analyzed: 08/14/03						
Hexavalent Chromium	ND		0.0050	mg/l							
Laboratory Control Sample (3080257-BS1)					Prepared & Analyzed: 08/14/03						
Hexavalent Chromium	0.105		0.0050	mg/l	0.100		105	80-120			
Matrix Spike (3080257-MS1)	**Source: P308260-02**				Prepared & Analyzed: 08/14/03						
Hexavalent Chromium	0.127		0.0056	mg/l	0.111	ND	114	75-125			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080257 - General Preparation											
Matrix Spike Dup (3080257-MSD1)	**Source: P308260-02**				Prepared & Analyzed: 08/14/03						
Hexavalent Chromium	0.121		0.0056	mg/l	0.111	ND	109	75-125	5	20	
Batch 3080258 - General Preparation											
Blank (3080258-BLK1)					Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	ND		0.21	mg/kg							
Laboratory Control Sample (3080258-BS1)					Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	3.34		0.21	mg/kg	4.00		84	80-120			
Matrix Spike (3080258-MS1)	**Source: P308071-01**				Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	3.31		0.21	mg/kg	4.02	0.64	66	75-125			QM-07
Matrix Spike (3080258-MS2)	**Source: P308071-01**				Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	778		10	mg/kg	978	0.64	79	75-125			QM-07
Matrix Spike (3080258-MS3)	**Source: P308071-01**				Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	4.67		0.21	mg/kg	4.02	0.64	100	75-125			
Matrix Spike Dup (3080258-MSD1)	**Source: P308071-01**				Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	3.23		0.21	mg/kg	3.97	0.64	65	75-125	2	20	QM-07
Matrix Spike Dup (3080258-MSD2)	**Source: P308071-01**				Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	686		10	mg/kg	927	0.64	74	75-125	13	20	QM-07
Matrix Spike Dup (3080258-MSD3)	**Source: P308071-01**				Prepared: 08/14/03 Analyzed: 08/15/03						
Hexavalent Chromium	4.17		0.21	mg/kg	4.02	0.64	88	75-125	11	20	

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Tentatively Identified Compounds by GC/MS - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080097 - EPA 3520B LiqLiquid											
Blank (3080097-BLK1)					Prepared: 08/06/03 Analyzed: 08/13/03						
No TICs found	ND		10	ug/l							
Batch 3080253 - EPA 3550A Sonication											
Blank (3080253-BLK1)					Prepared: 08/14/03 Analyzed: 08/21/03						
No TICs found	ND		300	ug/kg							

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080097 - EPA 3520B LiqLiquid											
Blank (3080097-BLK1)					Prepared: 08/06/03 Analyzed: 08/13/03						
Acenaphthene	ND	1.2	10	ug/l							
Acenaphthylene	ND	1.4	10	"							
Anthracene	ND	0.60	10	"							
Azobenzene	ND	0.63	20	"							
Benzidine	ND	3.2	50	"							
Benzoic acid	ND	3.9	50	"							
Benzo (a) anthracene	ND	0.44	10	"							
Benzo (b+k) fluoranthene (total)	ND	1.1	10	"							
Benzo (g,h,i) perylene	ND	0.64	10	"							
Benzo (a) pyrene	ND	0.87	10	"							
Benzyl alcohol	ND	3.9	20	"							
Bis(2-chloroethoxy)methane	ND	1.1	10	"							
Bis(2-chloroethyl)ether	ND	1.5	10	"							
Bis(2-chloroisopropyl)ether	ND	1.5	10	"							
Bis(2-ethylhexyl)phthalate	ND	2.8	10	"							
4-Bromophenyl phenyl ether	ND	0.70	10	"							
Butyl benzyl phthalate	ND	2.7	10	"							
4-Chloroaniline	ND	0.55	20	"							
4-Chloro-3-methylphenol	ND	2.3	20	"							
2-Chloronaphthalene	ND	1.4	10	"							
2-Chlorophenol	ND	0.31	10	"							
4-Chlorophenyl phenyl ether	ND	0.97	10	"							
Chrysene	ND	0.45	10	"							
Dibenz (a,h) anthracene	ND	0.55	10	"							
Dibenzofuran	ND	1.1	10	"							
Di-n-butyl phthalate	ND	1.1	10	"							
1,2-Dichlorobenzene	ND	1.8	10	"							
1,3-Dichlorobenzene	ND	1.8	10	"							
1,4-Dichlorobenzene	ND	1.8	10	"							
3,3´-Dichlorobenzidine	ND	2.9	20	"							
2,4-Dichlorophenol	ND	0.47	10	"							
Diethyl phthalate	ND	0.42	10	"							
2,4-Dimethylphenol	ND	1.4	10	"							
Dimethyl phthalate	ND	0.56	10	"							
4,6-Dinitro-2-methylphenol	ND	3.4	50	"							
2,4-Dinitrophenol	ND	2.3	50	"							
2,4-Dinitrotoluene	ND	0.82	10	"							

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080097 - EPA 3520B LiqLiquid											
Blank (3080097-BLK1)					Prepared: 08/06/03 Analyzed: 08/13/03						
2,6-Dinitrotoluene	ND	0.76	10	ug/l							
Di-n-octyl phthalate	ND	0.81	10	"							
Fluoranthene	ND	0.44	10	"							
Fluorene	ND	1.0	10	"							
Hexachlorobenzene	ND	0.79	10	"							
Hexachlorobutadiene	ND	1.5	10	"							
Hexachlorocyclopentadiene	ND	0.31	10	"							
Hexachloroethane	ND	1.7	10	"							
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"							
Isophorone	ND	0.71	10	"							
2-Methylnaphthalene	ND	1.4	10	"							
2-Methylphenol	ND	3.4	10	"							
4-Methylphenol	ND	3.0	10	"							
Naphthalene	ND	1.6	10	"							
2-Nitroaniline	ND	0.69	50	"							
3-Nitroaniline	ND	0.54	50	"							
4-Nitroaniline	ND	0.61	50	"							
Nitrobenzene	ND	1.3	10	"							
2-Nitrophenol	ND	0.42	10	"							
4-Nitrophenol	ND	0.51	50	"							
N-Nitrosodimethylamine	ND	1.4	20	"							
N-Nitrosodiphenylamine	ND	3.9	10	"							
N-Nitrosodi-n-propylamine	ND	0.58	10	"							
Pentachlorophenol	ND	3.1	50	"							
Phenanthrene	ND	0.56	10	"							
Phenol	ND	0.48	10	"							
Pyrene	ND	0.28	10	"							
Pyridine	ND	3.8	10	"							
1,2,4-Trichlorobenzene	ND	1.7	10	"							
2,4,5-Trichlorophenol	ND	0.61	10	"							
2,4,6-Trichlorophenol	ND	0.31	10	"							
Surrogate: 2-Fluorophenol	*111*			"	*150*		*74*	*15-103*			
Surrogate: Phenol-d6	*123*			"	*150*		*82*	*18-115*			
Surrogate: Nitrobenzene-d5	*99.9*			"	*100*		*100*	*39-103*			
Surrogate: 2-Fluorobiphenyl	*98.2*			"	*100*		*98*	*40-124*			
Surrogate: 2,4,6-Tribromophenol	*152*			"	*150*		*101*	*11-142*			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080097 - EPA 3520B LiqLiquid											
Blank (3080097-BLK1)					Prepared: 08/06/03 Analyzed: 08/13/03						
Surrogate: Terphenyl-d14	*122*			*ug/l*	*100*		*122*	*56-139*			
Laboratory Control Sample (3080097-BS1)					Prepared: 08/06/03 Analyzed: 08/13/03						
Acenaphthene	105	1.2	10	ug/l	100		105	58-120			
4-Chloro-3-methylphenol	112	2.3	20	"	100		112	51-116			
2-Chlorophenol	92.9	0.31	10	"	100		93	28-111			
1,4-Dichlorobenzene	80.7	1.8	10	"	100		81	29-108			
2,4-Dinitrotoluene	124	0.82	10	"	100		124	60-114			Q-LIM
4-Nitrophenol	98.2	0.51	50	"	100		98	25-148			
N-Nitrosodi-n-propylamine	95.8	0.58	10	"	100		96	29-119			
Pentachlorophenol	111	3.1	50	"	100		111	40-131			
Phenol	82.5	0.48	10	"	100		82	22-117			
Pyrene	120	0.28	10	"	100		120	52-127			
1,2,4-Trichlorobenzene	91.8	1.7	10	"	100		92	24-131			
Surrogate: 2-Fluorophenol	*118*			*"*	*150*		*79*	*15-103*			
Surrogate: Phenol-d6	*119*			*"*	*150*		*79*	*18-115*			
Surrogate: Nitrobenzene-d5	*101*			*"*	*100*		*101*	*39-103*			
Surrogate: 2-Fluorobiphenyl	*101*			*"*	*100*		*101*	*40-124*			
Surrogate: 2,4,6-Tribromophenol	*176*			*"*	*150*		*117*	*11-142*			
Surrogate: Terphenyl-d14	*118*			*"*	*100*		*118*	*56-139*			
Laboratory Control Sample Dup (3080097-BSD1)					Prepared: 08/06/03 Analyzed: 08/13/03						
Acenaphthene	101	1.2	10	ug/l	100		101	58-120	4	27	
4-Chloro-3-methylphenol	112	2.3	20	"	100		112	51-116	0	30	
2-Chlorophenol	86.3	0.31	10	"	100		86	28-111	7	39	
1,4-Dichlorobenzene	68.1	1.8	10	"	100		68	29-108	17	41	
2,4-Dinitrotoluene	123	0.82	10	"	100		123	60-114	0.8	22	Q-LIM
4-Nitrophenol	92.9	0.51	50	"	100		93	25-148	6	44	
N-Nitrosodi-n-propylamine	96.7	0.58	10	"	100		97	29-119	0.9	44	
Pentachlorophenol	110	3.1	50	"	100		110	40-131	0.9	33	
Phenol	78.8	0.48	10	"	100		79	22-117	5	33	
Pyrene	119	0.28	10	"	100		119	52-127	0.8	25	
1,2,4-Trichlorobenzene	83.5	1.7	10	"	100		84	24-131	9	48	
Surrogate: 2-Fluorophenol	*106*			*"*	*150*		*71*	*15-103*			
Surrogate: Phenol-d6	*114*			*"*	*150*		*76*	*18-115*			
Surrogate: Nitrobenzene-d5	*98.7*			*"*	*100*		*99*	*39-103*			
Surrogate: 2-Fluorobiphenyl	*101*			*"*	*100*		*101*	*40-124*			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080097 - EPA 3520B LiqLiquid											
Laboratory Control Sample Dup (3080097-BSD1)					Prepared: 08/06/03 Analyzed: 08/13/03						
Surrogate: 2,4,6-Tribromophenol	*179*			*ug/l*	*150*		*119*	*11-142*			
Surrogate: Terphenyl-d14	*120*			*"*	*100*		*120*	*56-139*			
Batch 3080253 - EPA 3550A Sonication											
Blank (3080253-BLK1)					Prepared: 08/14/03 Analyzed: 08/21/03						
Acenaphthene	ND	8.7	330	ug/kg							
Acenaphthylene	ND	7.6	330	"							
Anthracene	ND	14	330	"							
Azobenzene	ND	20	330	"							
Benzidine	ND	1700	1700	"							
Benzoic acid	ND	2.7	1700	"							
Benzo (a) anthracene	ND	7.6	330	"							
Benzo (b+k) fluoranthene (total)	ND	13	330	"							
Benzo (g,h,i) perylene	ND	8.8	330	"							
Benzo (a) pyrene	ND	10	330	"							
Benzyl alcohol	ND	11	660	"							
Bis(2-chloroethoxy)methane	ND	9.1	330	"							
Bis(2-chloroethyl)ether	ND	15	330	"							
Bis(2-chloroisopropyl)ether	ND	16	330	"							
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"							
4-Bromophenyl phenyl ether	ND	13	330	"							
Butyl benzyl phthalate	ND	11	330	"							
4-Chloroaniline	ND	58	660	"							
4-Chloro-3-methylphenol	ND	11	660	"							
2-Chloronaphthalene	ND	9.9	330	"							
2-Chlorophenol	ND	16	330	"							
4-Chlorophenyl phenyl ether	ND	13	330	"							
Chrysene	ND	11	330	"							
Dibenz (a,h) anthracene	ND	18	330	"							
Dibenzofuran	ND	9.6	330	"							
Di-n-butyl phthalate	ND	12	330	"							
1,2-Dichlorobenzene	ND	16	330	"							
1,3-Dichlorobenzene	ND	14	330	"							
1,4-Dichlorobenzene	ND	15	330	"							
3,3´-Dichlorobenzidine	ND	44	660	"							
2,4-Dichlorophenol	ND	15	330	"							

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080253 - EPA 3550A Sonication											
Blank (3080253-BLK1)					Prepared: 08/14/03 Analyzed: 08/21/03						
Diethyl phthalate	ND	14	330	ug/kg							
2,4-Dimethylphenol	ND	36	330	"							
Dimethyl phthalate	ND	11	330	"							
4,6-Dinitro-2-methylphenol	ND	17	1700	"							
2,4-Dinitrophenol	ND	10	1700	"							
2,4-Dinitrotoluene	ND	20	330	"							
2,6-Dinitrotoluene	ND	13	330	"							
Di-n-octyl phthalate	ND	11	330	"							
Fluoranthene	ND	11	330	"							
Fluorene	ND	7.9	330	"							
Hexachlorobenzene	ND	15	330	"							
Hexachlorobutadiene	ND	17	330	"							
Hexachlorocyclopentadiene	ND	10	330	"							
Hexachloroethane	ND	17	330	"							
Indeno (1,2,3-cd) pyrene	ND	11	330	"							
Isophorone	ND	14	330	"							
2-Methylnaphthalene	ND	10	330	"							
2-Methylphenol	ND	16	330	"							
4-Methylphenol	ND	11	330	"							
Naphthalene	ND	13	330	"							
2-Nitroaniline	ND	17	1700	"							
3-Nitroaniline	ND	18	1700	"							
4-Nitroaniline	ND	22	1700	"							
Nitrobenzene	ND	16	330	"							
2-Nitrophenol	ND	14	330	"							
4-Nitrophenol	ND	23	1700	"							
N-Nitrosodimethylamine	ND	16	330	"							
N-Nitrosodiphenylamine	ND	17	330	"							
N-Nitrosodi-n-propylamine	ND	15	330	"							
Pentachlorophenol	ND	12	1700	"							
Phenanthrene	ND	14	330	"							
Phenol	ND	12	330	"							
Pyrene	ND	12	330	"							
1,2,4-Trichlorobenzene	ND	15	330	"							
2,4,5-Trichlorophenol	ND	14	330	"							
2,4,6-Trichlorophenol	ND	9.4	330	"							

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080253 - EPA 3550A Sonication											
Blank (3080253-BLK1)					Prepared: 08/14/03 Analyzed: 08/21/03						
Surrogate: 2-Fluorophenol	*2930*			*ug/kg*	*5000*		*59*	*11-120*			
Surrogate: Phenol-d6	*3390*			*"*	*5000*		*68*	*16-130*			
Surrogate: Nitrobenzene-d5	*2410*			*"*	*3330*		*72*	*16-126*			
Surrogate: 2-Fluorobiphenyl	*2560*			*"*	*3330*		*77*	*28-134*			
Surrogate: 2,4,6-Tribromophenol	*4100*			*"*	*5000*		*82*	*51-144*			
Surrogate: Terphenyl-d14	*3240*			*"*	*3330*		*97*	*64-119*			
Laboratory Control Sample (3080253-BS1)					Prepared: 08/14/03 Analyzed: 08/21/03						
Acenaphthene	2840	8.7	330	ug/kg	3330		85	34-114			
4-Chloro-3-methylphenol	2970	11	660	"	3330		89	24-118			
2-Chlorophenol	2580	16	330	"	3330		77	29-101			
1,4-Dichlorobenzene	2480	15	330	"	3330		74	25-104			
2,4-Dinitrotoluene	3540	20	330	"	3330		106	42-116			
4-Nitrophenol	3000	23	1700	"	3330		90	31-109			
N-Nitrosodi-n-propylamine	2590	15	330	"	3330		78	23-117			
Pentachlorophenol	3130	12	1700	"	3330		94	34-114			
Phenol	2360	12	330	"	3330		71	20-105			
Pyrene	3610	12	330	"	3330		108	30-124			
1,2,4-Trichlorobenzene	2810	15	330	"	3330		84	28-112			
Surrogate: 2-Fluorophenol	*3450*			*"*	*5000*		*69*	*11-120*			
Surrogate: Phenol-d6	*3580*			*"*	*5000*		*72*	*16-130*			
Surrogate: Nitrobenzene-d5	*2670*			*"*	*3330*		*80*	*16-126*			
Surrogate: 2-Fluorobiphenyl	*2820*			*"*	*3330*		*85*	*28-134*			
Surrogate: 2,4,6-Tribromophenol	*4870*			*"*	*5000*		*97*	*51-144*			
Surrogate: Terphenyl-d14	*3600*			*"*	*3330*		*108*	*64-119*			
Matrix Spike (3080253-MS1)	**Source: P308047-09**				Prepared: 08/14/03 Analyzed: 08/21/03						
Acenaphthene	2800	8.7	330	ug/kg	3330	ND	84	30-110			
4-Chloro-3-methylphenol	2920	11	660	"	3330	ND	88	27-109			
2-Chlorophenol	2470	16	330	"	3330	ND	74	24-98			
1,4-Dichlorobenzene	2290	15	330	"	3330	ND	69	24-89			
2,4-Dinitrotoluene	3410	20	330	"	3330	ND	102	35-110			
4-Nitrophenol	2940	23	1700	"	3330	ND	88	20-110			
N-Nitrosodi-n-propylamine	2600	15	330	"	3330	ND	78	23-109			
Pentachlorophenol	2730	12	1700	"	3330	ND	82	25-123			
Phenol	2310	12	330	"	3330	ND	69	19-100			
Pyrene	3390	12	330	"	3330	ND	102	12-131			

Sequoia Analytical

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FAX (707) 792-0342
www.sequoialabs.com

Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080253 - EPA 3550A Sonication											
Matrix Spike (3080253-MS1)	**Source: P308047-09**				Prepared: 08/14/03 Analyzed: 08/21/03						
1,2,4-Trichlorobenzene	2680	15	330	ug/kg	3330	ND	80	17-110			
Surrogate: 2-Fluorophenol	*3300*			"	*5000*		*66*	*11-120*			
Surrogate: Phenol-d6	*3490*			"	*5000*		*70*	*16-130*			
Surrogate: Nitrobenzene-d5	*2600*			"	*3330*		*78*	*16-126*			
Surrogate: 2-Fluorobiphenyl	*2630*			"	*3330*		*79*	*28-134*			
Surrogate: 2,4,6-Tribromophenol	*4720*			"	*5000*		*94*	*51-144*			
Surrogate: Terphenyl-d14	*3380*			"	*3330*		*102*	*64-119*			
Matrix Spike Dup (3080253-MSD1)	**Source: P308047-09**				Prepared: 08/14/03 Analyzed: 08/21/03						
Acenaphthene	2820	8.7	330	ug/kg	3330	ND	85	30-110	0.7	26	
4-Chloro-3-methylphenol	2890	11	660	"	3330	ND	87	27-109	1	21	
2-Chlorophenol	2460	16	330	"	3330	ND	74	24-98	0.4	27	
1,4-Dichlorobenzene	2330	15	330	"	3330	ND	70	24-89	2	25	
2,4-Dinitrotoluene	3400	20	330	"	3330	ND	102	35-110	0.3	15	
4-Nitrophenol	2930	23	1700	"	3330	ND	88	20-110	0.3	23	
N-Nitrosodi-n-propylamine	2570	15	330	"	3330	ND	77	23-109	1	31	
Pentachlorophenol	2620	12	1700	"	3330	ND	79	25-123	4	43	
Phenol	2300	12	330	"	3330	ND	69	19-100	0.4	21	
Pyrene	3450	12	330	"	3330	ND	104	12-131	2	26	
1,2,4-Trichlorobenzene	2700	15	330	"	3330	ND	81	17-110	0.7	30	
Surrogate: 2-Fluorophenol	*3240*			"	*5000*		*65*	*11-120*			
Surrogate: Phenol-d6	*3460*			"	*5000*		*69*	*16-130*			
Surrogate: Nitrobenzene-d5	*2590*			"	*3330*		*78*	*16-126*			
Surrogate: 2-Fluorobiphenyl	*2720*			"	*3330*		*82*	*28-134*			
Surrogate: 2,4,6-Tribromophenol	*4580*			"	*5000*		*92*	*51-144*			
Surrogate: Terphenyl-d14	*3360*			"	*3330*		*101*	*64-119*			

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Environmental Resources Management	Project: Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	09/09/03 16:50

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080162 - General Preparation											
Duplicate (3080162-DUP1)	**Source: P308071-05**			Prepared & Analyzed: 08/08/03							
pH	6.88		2.00	pH Units		7.00			2	20	
Batch 3080163 - General Preparation											
Duplicate (3080163-DUP1)	**Source: P308138-01**			Prepared & Analyzed: 08/08/03							
pH	7.48		2.00	pH Units		8.27			10	20	

Sequoia Analytical

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Environmental Resources Management	Project:	Aerojet RI/FS	P308071
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	09/09/03 16:50

Notes and Definitions

HT-01	This sample was received beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
HT-04	This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
J	Estimated value.
Q-LIM	The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
QM-06	Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-07	The RPD was outside control limits. The results may still be useful for their intended purpose.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

GENCORP AEROJET

Chain of Custody Record

№ 1114

E.T.R. NO:	WORK ORDER NO: Aerojet 4921.03
SOURCE SITE NO:	AUGER HOLE NO:

SAMPLERS *(SIGNATURE)* Kristina Williams

COC SAMPLE ID	FIELD SAMPLE NO.	DEPTH (FT.)	DATE MM/DD/YY	TIME	TYPE OF CONTAINER	# OF SAMPLE CONTAINERS	SOIL TYPE (USCS CODE)	REQUESTED SAMPLE ANALYSES: VOLATILE ORGANICS EPA 8240	BNA's EPA 8270	METALS EPA 6010	PERCHLORATE EDL-SW-006	SVOCs 8270	TPH 8015	pH 300			LABORATORY QA/QC	REMARKS
1114 A	32D-SB07-2.5	2.5	08/04/03	0905	2x6" brass	1	GM			X		X	X					P308071-01
1114 B	32D-SB07-15	15	08/04/03	0920	2x6" brass	1	GM			X		X	X					02
1114 C	32D-SB06-2.5	2.5	08/04/03	1205	2x6" brass	2	GM			X		X	X	X				03
1114 D	32D-SB06-10	10	08/04/03	1230	2x6" brass	1	SW			X		X	X	X				04
1114 E	32D-SB06-15E	—	08/04/03	1240	2 amber 1 poly	3	—			X		X	X	X				05
1114 F	32D-SB06-15	15	08/04/03	1245	2x6 brass	2	SW			X		X	X	X				06
1114 G	32D-SB06-25	25	08/04/03	1310	2x6" brass	1				X		X	X	X				07
1114 H	32D-SB06-30	30	08/04/03	1330	2x6" brass	2				X		X	X	X				08
1114 I	32D-SB06D-30	30	08/04/03	1330	2x6" brass	1				X		X	X	X				09
1114 J			/ /															
1114 K			/ /															
1114 L			/ /															
1114 M			/ /															
1114 N			/ /															
1114 O			/ /															
1114 P			/ /															
1114 Q			/ /															
TOTALS						14												

report TICS in SVOC analysis

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 4.1 °c

RELINQUISHED BY: *(SIGNATURE)*	DATE/TIME	RECEIVED BY: *(SIGNATURE)*	TOTAL NO. OF SAMPLE CONTAINERS:
Kristina Williams	8/4/03 1417		14
RELINQUISHED BY: *(SIGNATURE)*	DATE/TIME	RECEIVED BY: *(SIGNATURE)*	METHOD OF SHIPMENT:
	8/5/03 0635	Monica Gibson/SeaSAC 8/5/03	Courier
RELINQUISHED BY: *(SIGNATURE)*	DATE/TIME	RECEIVED BY LABORATORY BY: *(SIGNATURE)*	LABORATORY DELIVERED TO:
Monica Gibson/SeaSAC	8/5/03	SAL 8/5 800	

COMMENTS:

8-5-03 1630

ORIGINAL – ENVIRONMENTAL OPERATIONS: *WHITE* 2ND COPY – LABORATORY: *YELLOW* 3RD COPY – SAMPLER: *PINK*

7.67.35 v. 4

GENCORP AEROJET

Chain of Custody Record

№ 1114

E.T.R. NO:	WORK ORDER NO: Aerojet 4921.03
SOURCE SITE NO:	AUGER HOLE NO:
SAMPLERS (SIGNATURE) Kristina Williams	

report TICs in SVOC analysis

Petroleum

COC SAMPLE ID	FIELD SAMPLE NO.	DEPTH (FT.)	DATE MM/DD/YY	TIME	TYPE OF CONTAINER	# OF SAMPLE CONTAINERS	SOIL TYPE (USCS CODE)	REQUESTED SAMPLE ANALYSES: VOLATILE ORGANICS EPA 8240	BNA's EPA 8270	METALS EPA 6010	PERCHLORATE EDL-SW-006	SVOCs 8270	TPH 8015	pH 300			LABORATORY QA/QC
1114 A	32D-SB07-2.5	2.5	08/04/03	0905	2x6" brass	1	GM			X		X	X				
1114 B	32D-SB07-15	15	08/04/03	0920	2x6" brass	1	GM			X		X	X				
1114 C	32D-SB06-2.5	2.5	08/04/03	1205	2x6" brass	2	GM			X		X	X	X			
1114 D	32D-SB06-10	10	08/04/03	1230	2x6" brass	1	SW			X		X	X	X			
1114 E	32D-SB06-15E	—	08/04/03	1240	2 amber 1 poly	3	—			X		X	X	X			
1114 F	32D-SB06-15	15	08/04/03	1245	2x6" brass	2	SW			X		X	X	X			
1114 G	32D-SB06-25	25	08/04/03	1310	2x6" brass	1				X		X	X	X			
1114 H	32D-SB06-30	30	08/04/03	1330	2x6" brass	2				X		X	X	X			
1114 I	32D-SB06D-30	30	08/04/03	1330	2x6" brass	1				X		X	X	X			
1114 J			/ /														
1114 K			/ /														
1114 L			/ /														
1114 M			/ /														
1114 N			/ /														
1114 O			/ /														
1114 P			/ /														
1114 Q			/ /														
TOTALS						14											

Rachel

RELINQUISHED BY: (SIGNATURE) Kristina Williams	DATE/TIME 8/4/03 1417	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLE CONTAINERS: 14
RELINQUISHED BY: (SIGNATURE)	DATE/TIME 8/5/03 0635	RECEIVED BY: (SIGNATURE) Monica Gibson / SeaSAC 8/5/03	METHOD OF SHIPMENT: Courier
RELINQUISHED BY: (SIGNATURE) Monica Gibson / SeaSAC	DATE/TIME 8/5/03	RECEIVED BY LABORATORY BY: (SIGNATURE) SAL 8/5	LABORATORY DELIVERED TO:

COMMENTS: 8-5

ORIGINAL – ENVIRONMENTAL OPERATIONS: *WHITE* 2ND COPY – LABORATORY: *YELLOW* 3RD COPY – SAMPLER: *PINK*

7.67.35 v. 4

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: SDC Aerojet
REC. BY (PRINT): CAM
WORKORDER: P308071

DATE Received at Lab: 8-5-03
TIME Received at Lab: 1630
LOG IN DATE: 8-6-03

(Drinking water) for regulatory purposes: YES/NO
(Wastewater) for regulatory purposes: YES/NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*			32D-SB07-25 ↓ 15 SB06-25 10 15E ↓ 15 25 30 32D-SB06D-30	mc ↓ x2 mc mc x mc 500 ml x2 mc mc x mc mc	S ↓ ↓ ↓ W ↓ S ↓ ↓	8-4-03 ↓ ↓	
2. Chain-of-Custody	Present / Absent*							
3. Traffic Reports or Packing List:	Present / Absent							
4. Airbill:	Airbill / Sticker Present / Absent							
5. Airbill #:								
6. Sample Labels:	Present / Absent							
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody							
8. Sample Condition:	Intact / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree?	Yes / No*							
10. Sample received within hold time:	Yes / No*							
11. Proper Preservatives used:	Yes / No*							
12. Temp Rec. at Lab:	4.1							
(Acceptance range for samples requiring thermal pres.:4+/-2°C)	Yes / No*							

*If Circled, contact Project Manager and attach record of resolution.